

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A process for the preparation of a substituted dihydropyrimidinones dihydropyrimidinone using a polyaniline salts salt as a reusable catalysts catalyst, which comprises reacting an aldehyde, a β -keto ester and urea/thiourea urea or thiourea in the presence of a polyaniline salt catalyst and separating the substituted dihydropyrimidinone obtained thereby.
2. (Currently amended) [[A]] The process as claimed in claim 1 wherein the aldehyde is selected from the group consisting of Benzaldehyde, 4-Methoxybenzaldehyde, 4-Chlorobenzaldehyde, 4-Hydroxybenzaldehyde, 4-Methyl benzaldehyde, 4-(Dimethylamino) benzaldehyde, 4-Nitrobenzaldehyde, 4-(Phenoxy) benzaldehyde, β -Naphthal, Cinnamaldehyde, Furfuraldehyde and Heptaldehyde.
3. (Currently amended) [[A]] The process as claimed in claim 1 wherein the β -keto ester is selected from the group consisting of methyl acetoacetate and ethyl acetoacetate.
4. (Currently amended) [[A]] The process as claimed in claim 1 wherein the polyaniline salt catalyst is selected from the group consisting of polyaniline-sulfate, polyaniline-hydrochloride, polyaniline-perchlorate, polyaniline-phosphate, polyaniline-nitrate, polyaniline-aluminum chloride, polyaniline-ferric chloride, polyaniline-bismuth chloride, polyaniline-p-toluene sulfonate, and polyaniline-sulfosalicylate system.
5. (Currently amended) [[A]] The process as claimed in claim 1 wherein the reaction is carried out at a temperature in the range of from 25°C to 65°C.
6. (Currently amended) [[A]] The process as claimed in claim 1 wherein the reaction is carried out for a period of from 2 hours to 6 [[hrs]] hours.

7. (Currently amended) ~~[[A]]~~ The process as claimed in claim 1 wherein the catalyst is used in an amount of from 1 to 10 ~~wt-%~~ weight percent with respect to the aldehyde.
8. (Currently amended) ~~[[A]]~~ The process as claimed in claim 1 wherein the reaction is carried out in the presence of a solvent selected from the group consisting of methanol, ethanol, acetonitrile and tetrahydrofuran.
9. (Currently amended) ~~[[A]]~~ The process as claimed in claim 1 wherein the substituted ~~dihydropyrimidinones are~~ dihydropyrimidinone is separated by filtration.
10. (Currently amended) ~~[[A]]~~ The process as claimed in claim 1 wherein the catalyst is recycled.